

# SCANNING APPARATUS

## ABSTRACT OF THE DISCLOSURE

A system including a scanning apparatus is disclosed. In one embodiment, the system has (a) an article having (i) a surface having a plurality of positions and a plurality of print elements respectively at the plurality of positions, and (ii) a plurality of codes respectively at the plurality of positions and relating to absolute or relative locations of the positions. The system also has (b) a scanning apparatus comprising (i) a stylus having an optical detector and an optical emitter, (ii) a processor coupled to the optical detector and the optical emitter, (iii) a memory unit comprising code for audio corresponding to the print elements, the memory unit coupled to the processor, and (iv) an audio output device coupled to the processor.

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